

Experiment Number: 20536 - 02

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH
AVERAGE SEVERITY GRADES[b]**

Date Report Requested: 09/13/2012

Test Type: 39-WEEK

Abrasive blasting agents (specular hematite)

Time Report Requested: 10:26:12

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: HEMATITESPEC

First Dose M/F: 07/27/09 / NA

Species/Strain: RATS/HSD

Lab: BNW

F1_Rev.1_16 Wk. SSAC

NTP Study Number: C20536
Lock Date: 07/19/2010
Cage Range: ALL
Date Range: ALL
Reasons For Removal: 25017 SSAC
Removal Date Range: 13-Nov-2009 - 13-Nov-2009
Treatment Groups: Include ALL
Study Gender: Male
TDMSE Version: 2.6.0.0_007
PWG Approval Date: 02/08/2012

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Harlan Sprague Dawley RATS MALE	Control	15 mg/m3	30 mg/m3	60 mg/m3
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Disposition Summary

Animals Initially In Study	62	62	62	62
Scheduled Sacrifice	8	8	8	8
Early Deaths				
Survivors				
Animals Examined Microscopically	8	8	8	8

ALIMENTARY SYSTEM

None

CARDIOVASCULAR SYSTEM

None

ENDOCRINE SYSTEM

None

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

None

HEMATOPOIETIC SYSTEM

Lymph Node	(0)	(1)	(0)	(0)
Renal, Hemorrhage		1 [1.0]		
Lymph Node, Bronchial	(8)	(7)	(8)	(8)

a - Number of animals examined microscopically at site and number of animals with lesion

b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

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Harlan Sprague Dawley RATS MALE	Control	15 mg/m3	30 mg/m3	60 mg/m3
Foreign Body		7	6	7
Hyperplasia		1 [2.0]	2 [1.5]	3 [1.7]
Infiltration Cellular, Histiocyte		2 [2.0]	6 [2.3]	7 [2.7]
Pigmentation, Hemosiderin		1 [2.0]	1 [2.0]	
Lymph Node, Mediastinal	(6)	(8)	(8)	(8)
Foreign Body		4	6	8
Hyperplasia		3 [2.0]	6 [2.5]	8 [2.6]
Infiltration Cellular, Histiocyte		3 [2.0]	5 [2.6]	8 [2.9]
Pigmentation, Hemosiderin	1 [2.0]	2 [2.0]		

INTEGUMENTARY SYSTEM

None

MUSCULOSKELETAL SYSTEM

None

NERVOUS SYSTEM

None

RESPIRATORY SYSTEM

Larynx	(8)	(8)	(8)	(8)
Foreign Body		8	8	8
Epiglottis, Metaplasia, Squamous		3 [1.0]	3 [1.0]	4 [1.0]
Glands, Concretion		1		
Glands, Inflammation			1 [1.0]	
Lung	(8)	(8)	(8)	(8)
Foreign Body		8	8	8
Infiltration Cellular, Histiocyte	2 [1.0]	8 [1.0]	8 [1.1]	8 [2.3]
Inflammation, Chronic Active	1 [1.0]			3 [1.0]

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Alveolar Epithelium, Hyperplasia		3 [1.0]	8 [1.0]	8 [1.0]
Nose	(8)	(8)	(8)	(8)
Inflammation, Suppurative, Focal			1 [1.0]	
Glands, Accumulation, Hyaline Droplet			1 [1.0]	
Olfactory Epithelium, Accumulation, Hyaline Droplet	7 [1.1]	8 [1.1]	7 [1.1]	8 [1.0]
Respiratory Epithelium, Accumulation, Hyaline Droplet	1 [1.0]	4 [1.0]	5 [1.0]	2 [1.0]
Trachea	(7)	(8)	(8)	(8)

SPECIAL SENSES SYSTEM

None

URINARY SYSTEM

None

*** END OF REPORT ***

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